



# Women and Technology

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# A Singular Focus on Measurement

Testing more than half  
of the world's 800 million  
cell phones

Keeping our air,  
water, soil and food  
clean and safe

Equipping 200+  
communications  
service providers



Advancing  
next-generation  
integrated  
voice, video & data

Aiding the discovery  
and quality  
of medicines

Making the world  
more safe and secure  
from crime and drugs

Analyzing the  
causes and cures  
for disease

Enabling the military  
to be more flexible,  
mobile and reliable



# Life is All About Progress ....

- My grandmothers never went to school
- My mother has an M Sc degree in Chemistry and also B.Ed degree
- She was as high school chemistry teacher until she retired
- I always wanted to go one step further

# About Me

- Ph D in Chemistry from IIT (Madras)
- Post doctoral fellowships from US
- Work experience in academia and industry

# My Inspiration Comes From

- Parents and Family
- Teachers
- Classmates and Friends
- Books
- Women around me

# My Strength

During the most difficult time during my doctoral training my brother once said to me...

“ You are the first girl in our family (both from mom’s and dad’s side to do a Ph D).”

I wanted the best possible education because I wanted to work. In my mind that was the way to become financially independent and self-sufficient.

# Why Work?

- Money
- Respect
- Great experiences – travel, meet people
- Develop leadership
- Learn new skills – technical and soft
- Grow as a person – develop self confidence, awareness, become strong and secure
- Sense of identity
- Opportunity to make a difference to the world
- Have fun

# This Day and Going Forward

- Ideas now accepted by our society
  - Education of the girl child
  - Equal opportunity for women to work
  - Independent women have a place in our society
- New paradigms to be created
  - Women can work and make meaningful contributions in the fields of science and technology
  - Engineering, Sales or Marketing are not “hard” jobs for today’s woman

# Today's Work Environment

- Technology has made work easier
- Now it is possible to have a work-life balance
- Laws ensure that women are respected at workplace
- Greater acceptance of working women
- It is possible to reach the highest position at the workplace



# Understanding Technology

- Technology has become an integral part of our lives
- All professions are benefited by an awareness of “how things work”
- Understanding of basic scientific principles and mathematical skills help in all aspects of life

# Why a Career in Science or Engineering

- Acquire a 'scientific' outlook which helps improve the quality of life
- Destroy myths about what can be done or what should not be done by women
- Become a role model for other women
- Be a source of strength for your family and society
- You could some day become the first Indian woman to win the noble prize in Chemistry or Physics or Physiology.....



# Scientist or Engineer Needs

- Logical thinking
- Creativity
- Problem solving ability
- Time management
- People orientation
- Patience

Women have these abilities

# Options Available As a Technocrat

- Teaching
- Research
- Core Engineering
- Business leadership
- Marketing
- Sales
- Entrepreneurship
- Administrative services

# Success Calls For

- A sharp and alert mind
- Determination and dedication
- Good planning
- Systematic work
- Attention to detail
- Verbal and written communication skills
- Ability to work with people from all over the world

# The Right Attitude

- Have a goal
- Work hard
- Try and try again till you succeed
- Keep learning
- Develop physical and mental strength
- Believe in yourself
- Respect one and all including yourself
- Be a good team player
- Never quit

# In a Nutshell

- The path may be long; full of ups and downs.
- One should develop skills and strength to navigate the unknown.
- Brute force is not needed in today's high tech world.
- Calm, self-confidence coupled with thorough technical knowledge and right attitude will definitely make a difference.

**Yes, We Can!**

**Yes, We Will!**



## Agilent engaging Women Engineers...

- In FY08 Agilent India launched its community initiative program called WE HEaL in the South of India.
- 8 women engineering students interacted with homemakers in rural villages and educated them about environment and health.
- The batch of these young women students got the opportunity to get the training on Agilent High Technology Life Science Equipments for Water and Food testing at Agilent partner testing lab for 10 days.
- Women engineers were able to reach out to over 100 community members. They also took the opportunity to share their impressions with about 300 pre-university students at the Agastya Science Centre.
- After the program, all 8 students went back to the college totally charged up to take science as their careers.

## Agilent also participated in “Introduce a Girl to Engineering Program” in February

- Volunteers from Agilent Gurgaon and Bangalore participated in the program.



**Thank You**

